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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
	10/647,232	08/26/2003	Tadashi Matsunaga	030980	1750	
	38834 WESTERMAN	7590 05/25/200 J, HATTORI, DANIEL		EXAMINER		
	1250 CONNECTICUT AVENUE, NW SUITE 700			RILEY, JEZIA		
WASHINGTON, DC 20036		N, DC 20036		ART UNIT	PAPER NUMBER	
			•	1637		
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				MAIL DATE	DELIVERY MODE	
				05/25/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)				
		10/647,232	MATSUNAGA ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Jezia Riley	1637				
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet wit	h the correspondence ad	dress			
VVHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIC 16(a). In no event, however, may a re 111 apply and will expire SIX (6) MONT Cause the application to become ABA	ATION. ply be timely filed "HS from the mailling date of this co				
Status							
1)[[]	Responsive to communication(s) filed on 05 Ma	arch 2007					
		action is non-final.					
	,		are procedution as to the	ma avita ia			
-,	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	ion of Claims		, , , , , , , , , , , , , , , , , , , ,				
4)[\inf	Claim(s) <u>1-20</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdraw	n from consideration					
	5) Claim(s) is/are allowed.						
	6)⊠ Claim(s) <u>1-10</u> is/are rejected.						
	7)⊠ Claim(s) <u>11-20</u> is/are objected to.						
	Claim(s) are subject to restriction and/or	election requirement.					
	ion Papers						
9) The specification is objected to by the Examiner.							
. 5/	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) in chicated to Cap 87 CFR 4.464(4).						
11)	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119							
12)	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
	☐ All b)☐ Some * c)☐ None of:	priority under 00 0.0.0. 3	110(a) (a) or (i).				
,.	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
	application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.							
Attachmen	t(s)						
1) 🔲 Notic	e of References Cited (PTO-892)	4) 🔲 Interview Su	ımmary (PTO-413)				
2) 🔲 Notic	e of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)	/Mail Date				
	mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	5) Notice of Inf	formal Patent Application				
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Response to Remarks

Applicants' arguments, filed on 3/5/07, have been approved and entered. They have been fully considered. Rejections and/or objections not reiterated from previous office actions are hereby withdrawn. The following rejections and/or objections are either newly applied or reiterated. They constitute the complete set presently being applied to the instant application.

Claim Rejections - 35 USC § 102

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-10 are rejected under 35 U.S.C. 102(a) as being anticipated by Kim et al. (PUB NO.: US2002/0006626).

Kim et al. discloses a process for preparing monolayers and micoarrays of biomolecules by reacting functionalized dendrimers on solid surface with biomolecules such as proteins antigens antibodies enzymes lligands receptors and the like. The process comprises the steps of : reacting a metal surface or a glass surface (which is viewed as the fine particle based on the definition in the instant specification pages 2-3 bridging paragraph) with alkane thiol or derivatized silane with amine reactive functionality to obtain a self-assembled monolayer; reacting the self-assembled monolayer with amine-terminated dendrimers to give micropattern of dendrimers; and reacting the patterned dendrimers with biomolecule of protein, antigen, antibody, enzyme, receptor, or ligand which is viewed to be inclusive of the extraction step. (see Figures and pages 1-2).

This rejection is being reapplied because the reference do discloses particles as defined in the instant specification Pages 2-3. Therefore the term fine particles is broad enough to include Kim's particles and therefore the argument that the bonding is weak and unstable are just allegations without factual supports.

Claims 11-20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jezia Riley whose telephone number is 571-272-0786. The examiner can normally be reached on 9:30AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Benzion can be reached on 571-272-0782. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

5/20/07

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